SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Meade, Harry Pollock, Daniel DiTullio, Paul
- (ii) TITLE OF INVENTION: Transgenic Production of Antibodies in Milk
- (iii) NUMBER OF SEQUENCES: 5
- (iv) CORRESPONDENCE ADDRESS:

 (A) ADDRESSEE: Darby & Darby PC
 - (B) STREET: 805 Third Avenue
- (C) CITY: New York
 - (E) COUNTRY: US
 - (F) ZIP: 10022
 - (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
 - (vi) CURRENT APPLICATION DATA:

- (A) APPLICATION NUMBER: US 08/170579
- (B) FILING DATE: 20-DEC-1993
- (C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Ludwig, S. Peter
 - (B) REGISTRATION NUMBER: 25,351
 - (C) REFERENCE/DOCKET NUMBER: 4444/08981
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: 212-527-7700
 - (B) TELEFAX: 212-753-6237
 - (C) TELEX: 236687
- (2) INFORMATION FOR SEQ ID NO:1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 18 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: cDNA to mRNA

| | (A) ORGANISM: Capra hircus | |
|----------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (vii) | <pre>IMMEDIATE SOURCE: (B) CLONE: beta casein 5'</pre> | |
| (xi) | SEQUENCE DESCRIPTION: SEQ ID NO:1: | |
| CGCGGATC | CT CGAGGACC | 18 |
| (2) INFOR | RMATION FOR SEQ ID NO:2: | |
| (i) | SEQUENCE CHARACTERISTICS: (A) LENGTH: 59 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear | and also are in contracted as the second |
| (ii) | MOLECULE TYPE: cDNA to mRNA | A Control of the Section of the Sect |
| tad ' | ORIGINAL SOURCE: (A) ORGANISM: Capra hircus | |
| S (vii) S (xi) | IMMEDIATE SOURCE: (B) CLONE: beta casein 3 | |
| 口 (xi) | SEQUENCE DESCRIPTION: SEQ ID NO:2: | |
| TAAGGTCCA | AC AGACCGAGAC CCACTCACTA GGCAACTGGT CCGTCCAGCT GTTAAGTGA | 59 |
| 1 - | RMATION FOR SEQ ID NO:3: | |
| | SEQUENCE CHARACTERISTICS: (A) LENGTH: 34 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear | |
| (ii) | MOLECULE TYPE: cDNA to mRNA | |
| (vi) | ORIGINAL SOURCE: (A) ORGANISM: Capra hircus | |
| (vii) | IMMEDIATE SOURCE: (B) CLONE: light chain 5' | |
| (xi) | SEQUENCE DESCRIPTION: SEQ ID NO:3: | |
| AGTGAATTO | CA TGCTCGAGAG CCATGGCCTG GATC | 34 |
| (2) INFOR | RMATION FOR SEQ ID NO:4: | |

(vi) ORIGINAL SOURCE:

| | (=) | (A) LENGTH: 34 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear | |
|-----------|-------|-----------------------------------------------------------------------------------------------------------------------------|------------|
| | (ii) | MOLECULE TYPE: cDNA to mRNA | |
| | (vi) | ORIGINAL SOURCE: (A) ORGANISM: Capra hircus | |
| (| vii) | IMMEDIATE SOURCE: (B) CLONE: Heavy chain 5' | <i>.</i> · |
| | (X1) | SEQUENCE DESCRIPTION: SEQ ID NO:4: | |
| AGTG | TTAA | CA TGCTCGAGAG CCATGAAGCA CCTG | 34 |
| | | RMATION FOR SEQ ID NO:5: | |
| TACATEOU. | (i) | SEQUENCE CHARACTERISTICS: (A) LENGTH: 14 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear | |
| | (ii) | MOLECULE TYPE: cDNA to mRNA | |
| e C | (vi) | ORIGINAL SOURCE: (A) ORGANISM: Capra hircus | |
| i | vii) | IMMEDIATE SOURCE: (B) CLONE: HEAVY CHAIN 3' | |
| Ō | (xi) | SEQUENCE DESCRIPTION: SEQ ID NO:5: | |
| AGCT | CCTC(| GA GGCC | 14 |
| | | | |

(i) SEQUENCE CHARACTERISTICS: